

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 2001-060557 (71)Applicant : NISSAN MOTOR CO LTD

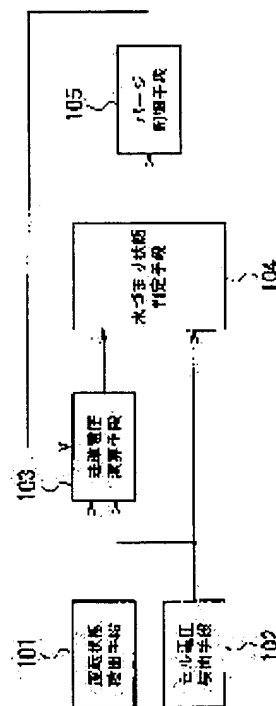
(22)Date of filing : 05.03.2001 (72)Inventor : SUZUKI KEISUKE

(54) CONTROL DEVICE FOR FUEL CELL AND ELECTRIC CAR

(57)Abstract:

PROBLEM TO BE SOLVED: To detect with accuracy water choking irrespective of a change in power generation characteristics due to lapse of time or an operation state.

SOLUTION: An operation state detecting means 101 detects at least pressure of fuel gas and oxidant gas at entrance or exit of a fuel cell, and a cell voltage detecting means 102 detects actual voltage of a unit cell or a cell group consisting of a plurality of unit cells. A standard voltage calculation means 103 calculates a standard voltage of the cell group based on the outputs from the operation state detecting means 101 and the cell voltage detecting means 102, and a water choking state judgment means 104 judges on a water choking state based on outputs from the cell voltage detection means 102 and the standard voltage calculating means 103, while a purge control means 105 makes a purge control based on outputs of judgment results of the water choking state judgment means 104.



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